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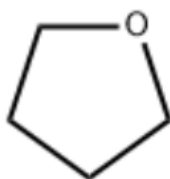
Product: **Tetrahydrofuran**

Tetrahydrofuran, is a colorless, volatile liquid with an ethereal or acetone-like smell and is miscible in water and most organic solvents. It is used in the manufacture of polymers as well as agricultural, pharmaceutical, and commodity chemicals. It is also a common laboratory reagent and an intermediate in chemical syntheses of consumer and industrial products such as nutritionals, pharmaceuticals, and insecticides.

Alias: TETRAMETHYLENE ETHER GLYCOL 2000 POLYMER; Diethylene oxide; Butane, alpha,delta-oxide

CAS No: **109-99-9**

Molecule structure



Specifications:

Appearance: Clear, colourless liquid

Purity: 99.95%min

Color:5max

Water:0.015%max

Hydrogen Peroxide Content:0.003%max

BHT Content:120±30

Packing & Delivery 180kg/drum, 14.4mt/FCL

UN No.2056, Class:3, Packing group:II



Application

- Tetrahydrofuran is used as a solvent for resins, vinyls, and high polymers.
- Tetrahydrofuran is used primarily (80%) to make polytetramethylene ether glycol, the base polymer used primarily in the manufacture of elastomeric fibers (e.g., spandex) as well as polyurethane and polyester elastomers (e.g., artificial leather, skateboard wheels). The remainder (20%) is used in solvent applications (e.g., pipe cements, adhesives, printing inks, and magnetic tape) and as a reaction solvent in chemical and pharmaceutical syntheses.
- THF complexes are important as Grignard reagents, catalysts for organic reactions, and in stereo-specific polymerizations.

☑ Applications for THF polymer solutions include

PVC top coatings of automotive upholstery, audio tape coatings of polyurethane/metal oxides on polyester tape, polyurethane coatings for fabric finishes, water-vapor barrier film coatings of PVC, and polyvinylidene chloride copolymers onto cellophane film.

☑ Tetrahydrofuran is the solvent of choice in many

pharmaceutical reactions and applications. The excellent solvency of THF makes this solvent ideal for solvent cleaning of polymer manufacturing and processing equipment.